

WHAT IS CLAIMED IS:

1. A projectile for use with a wireless neuromuscular disrupter gun for delivery of an electrical charge to a target, comprising:

- 5 an outer housing suitable for containing liquid;
 a capacitor contained within the housing, wherein at least a portion of the liquid is capacitor liquid that provides either the capacitor dielectric or the capacitor plates, and wherein the capacitor liquid is separated by
10 at least one separator; and
 contacts for delivering an electrical charge to the capacitor while the projectile is inside the gun prior to firing of the gun, such that no wires are required to charge the capacitor after the projectile leaves the gun;
15 wherein the outer housing is operable to burst upon impact of the target, such that contact liquid charged by the capacitor emits from the housing and contacts the target.

20 2. The projectile of Claim 1, wherein the separator comprises at least one concentric ring within the outer housing.

 3. The projectile of Claim 1, wherein the capacitor
25 plates are liquid.

 4. The projectile of Claim 1, wherein the contacts are conductive ends of the housing.

30 5. The projectile of Claim 1, wherein the separator is formed from material folded within the housing.

6. The projectile of Claim 1, wherein the liquid is a water-based gel.

7. The projectile of Claim 1, wherein the liquid
5 has a dielectric constant of at least 80.

8. The projectile of Claim 1, wherein the capacitor has a capacitance value of at least 400 picofarads.

10 9. The projectile of Claim 1, wherein the contact liquid is the same as the capacitor liquid.

10. The projectile of Claim 1, wherein the housing breaks apart upon impact.

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11. The projectile of Claim 1, wherein the projectile is bullet shaped.

12. A method of using a neuromuscular disrupter gun for delivery of an electrical charge to a target, comprising the steps of:

forming a capacitor within a projectile housing,
5 wherein liquid within the housing provides either the capacitor dielectric or the capacitor plates and is separated by a separator within the housing;

electrically charging the capacitor while the projectile is in the gun; and

10 firing the charged projectile from the gun;

discharging the capacitor by providing a projectile housing that opens upon impact and emits charged liquid from the housing.

15 13. The method of Claim 12, wherein the separator separates the liquid into at least two portions.

14. The method of Claim 12, wherein the firing step is performed using gunpowder.

20 15. The method of Claim 12, wherein the firing step is performed using compressed gas.

16. The method of Claim 12, wherein the separator
25 forms at least one concentric ring within the outer housing.

17. The method of Claim 12, wherein the liquid is dionized water.

30 18. The method of Claim 12, wherein the separator is formed from material folded within the housing.

19. The method of Claim 12, wherein the separator extends from the inner surface of the housing.

20. The method of Claim 12, wherein the liquid is a
5 water-based gel.

21. The method of Claim 12, wherein the liquid has a dielectric constant of at least 80.

10 22. The method of Claim 12, wherein the capacitor has a capacitance value of at least 400 picofarads.